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**Mitosis Test Objectives**

1. What are genes?
2. Define chromatin, chromatids, and chromosomes.
3. What is a histone protein?
4. Haploid (n), Diploid (2n), and triploid, etc. What do these mean?
5. What is a karyotype?
6. How many chromosomes in humans?
7. What does homologous pairs of chromosomes mean?
8. What are the 3 phases of the cell cycle?
9. List the 3 phases of Interphase and what happens to the cell in each.
10. What happens in Prophase? Chromosomes, centrioles, spindle fibers, nuclear membrane.
11. What happens in Metaphase? Chromosomes, spindle fibers, centromeres.
12. What happens in Anaphase? chromatids, spindle fibers.
13. What happens in Telophase? Nuclear membrane, chromosomes
14. What is cytokinesis?
15. How do plant cells separate?
16. What is the purpose of Mitosis and the results?
17. What is a centromere?